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## NOTES AND NEWS.

IDEAS on Christmas giving are rapidly changing among the sensible. Those who think as they give are looking for year-round service as the important thing.

In a week of shopping, with all its strain, you will not find a better gift than a year's subscription to the *Youth's Companion*. It offers its service, its clean entertainment, its fine suggestiveness week after week; and the end of the year, which finds many a gift in the attic, dust-covered and forgotten, brings *The Companion* again, with all the charm of last Christmastide.

No American monthly at any price offers the same amount of reading, and none can offer better quality. Less than four cents a week provides this best of Christmas gifts—\$2.00 a year. If you subscribe now, all the remaining issues of the year will be sent free, and *The Companion Home Calendar*. A copy of the Calendar is also sent to those who make a gift subscription. Send for sample copies, and the Forecast for 1915. The Youth's Companion, 144 Berkeley Street, Boston, Mass.

*The Century Magazine* announces that, beginning with the November number, it will interpret to its readers what lies back of the bare facts of bulletin and dispatch.

In New York, W. Morgan Shuster, author of "The Strangling of Persia," and Samuel P. Orth, professor of politics and public law at Cornell University, will write of the war and its effects from an ethnic and political point of view.

In London, James Davenport Whelpley, author of "The Trade of the World," and of recent *Century* papers on diplomacy, will deal with the personalities of the war lords and the spirit of the nations.

Estelle Loomis, the short story writer, now in Paris, will be sending *The Century* sketches of human interest.

Albert Bigelow Paine, author of "Mark Twain: A Biography," now in Switzerland, has put himself in touch with the

German authorities with a view to presenting views of Germany in war time.

Dr. Hendrik Van Loon, historian and journalist, has gone to his native land, Holland, where he will write of the Lowlands in war time.

Albert Edwards, the well-known novelist and travel writer, is going to Europe with a roving commission from *The Century Magazine*. His mission is to help build the literature that will grow out of the war itself.

EASILY the most important and interesting of the features planned for the new year of *St. Nicholas* is the new serial by Frances Hodgson Burnett, "The Lost Prince," which will begin in the November number and run through the entire year.

Mrs. Burnett has based her new story on a legend in a certain European country that, five hundred years ago, while a ruthless and unpopular king was in power, his son, a youth of noble qualities and much beloved by his people, mysteriously disappeared. And, upon the death of his father, a new dynasty came to the throne though the story of the lost prince has been handed down through the centuries.

PROBABLY the most distinctive feature of the New International is the amount of encyclopedic information that it contains. Wherever the reader turns he finds admirably condensed treatises, or tables, or illustrations. It is impossible to use the New International without being continually surprised by the range and completeness of the information furnished. The type matter is equivalent to that of a 15-volume encyclopedia.

For example, most of us know the bare fact that malaria is spread by mosquitoes. If we look up *Malaria*, or *mosquito*, we find, following an excellent definition, a cross reference to *Anopheles*, the genus of malarial mosquitoes. Under *Anopheles* is not only a discussion of the spreading of malaria by mosquitoes, but a description and an illustration by which you are enabled to tell at a glance whether the particular mosquito resting upon your sleeve is of the malarial variety.

To more important terms much more space is devoted (as *star*, two columns; *man*, two pages; *automobile*, three pages)

so that their definitions are perfect mines of information. So completely does the New International cover all realms of knowledge that its possessor requires no other work of general reference. It has well been called, next to the Bible, *the most valuable book in the English Language*.

THE fall meeting of the Philadelphia Section was held in the Music Room of the William Penn High School for Girls Wednesday, October 28, 1914, at 3 P. M. with the following program: Paper: The Mechanics of Aviation, L. P. Eisenhart, Ph.D., Princeton University; Paper: The Relation of Elementary Mathematics to that of the Higher Schools, J. Wilbur Haines.

THE October number of the *Monist* contains an article on *The Principles of Mechanics with Newton From 1679 to 1687*, an article on *Pandagonal Prime Number Magic Squares*, and one on *Paneled Magic Squares*.

#### NEW MEMBERS.

LOCK, L. LELAND, 950 St. Johns Place, Brooklyn, N. Y.  
 MASTERS, FREDERICK G., 3444 Bouquet St., Pittsburgh, Pa.  
 MILLER, ABRAM B., 608 13th St., Altoona, Pa.  
 RAYNSFORD, MISS HELEN J., 32 Upton Park, Rochester, N. Y.  
 SPARKS, S. WALTER, c/o H. F. Hart, 67 Valley Road, Montclair, N. J.  
 SWICK, WM. A., 1314 Eighth Ave., Beaver Falls, Pa.  
 WALKER, J. EUGENE, 1420 Pine St., Philadelphia, Pa.  
 WHITE, PROF. H. S., Vassar College, Poughkeepsie, N. Y.  
 WOLFENDEN, EMMA, 5901 Ridge Ave., Roxborough, Philadelphia, Pa.  
 WEBBER, W. PAUL, 316 McKee Place, Pittsburgh, Pa.  
 QUINN, JOHN J., 2521 Elba St., Pittsburgh, Pa.  
 INGRAM, EDWARD T., 110 Hoffman Ave., Trenton, N. J.  
 MCCABE, FLORENCE E., 1000 Packer Ave., Pittston, Pa.  
 WOLFE, MISS FRANCES R., Danielstown, Va.  
 BRATTON, KATHARINE M., Elkton, Md.  
 THAYER, WILLIAM MORTIMER, 821 Belmont Ave., Collingswood, N. J.  
 BRINSFIELD, MISS ARAMINTA, Rock Hall, Kent Co., Md.  
 BOWLUS, EDGAR STANLEY, 4217 Swiss Ave., Dallas, Texas.  
 PARKHILL, MARTHA ELLA, 506 Third Ave., Asbury Park, N. J.  
 DOUGHERTY, HARRY R., c/o N. Y. Mil. Acad., Cornwall-on-Hudson, N. Y.  
 McNUTT, NELLIE IRENE, Maryland College, Lutherville, Md.  
 BRAGG, W. N., Fort Ann, N. Y.

THE twenty third meeting of the Association was held at the College of the City of New York on Saturday, November 28, 1914. The meeting was notable for the excellence of the papers read and for the interest of those present. The discussion was spontaneous, enthusiastic, and excellent. The writer does not remember a better meeting. The addresses and reports of committees will be available to members through the TEACHER. It is unfortunate that the discussion will not be available.

The following amendment to paragraph 3, article 3, of the constitution was adopted, "There shall be an editorial committee composed of an editor-in-chief, a circulation manager, and as many other members as the Council shall each year deem necessary. The term of each member shall be three years. The members shall be appointed by the Council, in rotation, in successive years."

## Latest Mathematical Textbooks

### **Bôcher and Gaylord's Trigonometry**

By MAXIME BÔCHER, Professor in Harvard University, and H. D. GAYLORD, Master in Browne and Nichols School, Cambridge. ix+142 pp. Narrow 12mo. \$1.00.

Intended as a textbook for the ordinary course in trigonometry in high schools, technical schools, and colleges. Brevity has been secured without sacrifice of clearness, first by omitting unessential subjects, and secondly by avoiding long-winded explanations of simple matter.

### **Dowling and Turneure's Analytic Geometry**

By L. W. DOWLING, Associate Professor of Mathematics, and F. E. TURNEURE, Dean of the College of Engineering in the University of Wisconsin. (*American Mathematical Series.*) xii+266 pp. Large 12mo. \$1.60.

Because of its fundamental importance, the concept of functional correspondence and the method of representing such correspondence geometrically has been introduced early in the course. The standard forms of equations of important loci are also developed early, and the properties of these loci discussed later by means of the equations already at hand.

### **Snyder and Sisam's Analytic Geometry of Space**

By VIRGIL SNYDER, Professor in Cornell University, and C. H. SISAM, Assistant Professor in the University of Illinois. (*American Mathematical Series.*) xi+289 pp. 12mo. \$2.50.

This book is for beginners, no knowledge of geometry of more than two variables being presupposed.

## **Henry Holt and Company**

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The following officers and members of the Council were elected:

*President*—Eugene R. Smith, The Park School, Baltimore, Md.

*Vice-President*—Paul Saurel, of the City of New York.

*Secretary*—F. Eugene Seymour, State Normal School, Trenton, N. J.

*Treasurer*—Edward D. Fitch, The DeLancey School, Philadelphia, Pa.

*Member of the Council*—Herbert E. Hawkes, Columbia University, New York City; Harrison E. Webb, Central High School, Newark, N. J.; Miss Catharine D. Lewis, Baltimore, Md.

Dr. J. T. Rorer, Wm. Penn High School, Philadelphia, Pa., was appointed chairman of a committee on revision of the constitution. All suggestions for revision should be sent to him.

## TEXT-BOOKS OF TRIGONOMETRY TABLES OF LOGARITHMS

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